**JOB DESCRIPTION**  
**Vacancy Ref: A2960**

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<tr>
<th><strong>Job Title:</strong> Senior Research Associate</th>
<th><strong>Present Grade:</strong> 7P</th>
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<td><strong>Department/College:</strong> Department of Mathematics &amp; Statistics</td>
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<td><strong>Directly responsible to:</strong> Dr. Rebecca Killick</td>
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<td><strong>Supervisory responsibility for:</strong> Assisting with supervision of PhD students as appropriate</td>
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**Other contacts**

**Internal:** PhD students and other members within the changepoints and nonstationary time series group; colleagues in Department of Mathematics & Statistics; the STOR-i Doctoral Training Centre and the project team in Lancaster Environment Centre.

**External:** The project team at University of Manchester, University of Colorado Boulder, and the wider research community.

**Major Duties:**

- To conduct research, write publications and present at conferences. The role carries responsibility for ensuring that research activities are in line with project objectives, and has autonomy to ensure that objectives are met.
- To contribute to the NERC/NSF funded “Signals in the Soil” research project and achieve its objectives.
- To publish in leading Statistics journals and, where appropriate, to contribute to publications in these journals jointly with other members of the project.
- To publish, in collaboration with other members of the project, in leading Environmental Science journals.
- To provide regular progress reports to the Line Manager and the project team.
- To attend and contribute to project meetings, some of which will be in Boulder, USA, with staff from the project team.
- To attend meetings, workshops and conferences in the UK and abroad, presenting research results and networking.
- To develop code that implements the methods developed in a way which enables uptake by the Environmental Science community.
- To undertake any other duties as may be requested by the Investigators, provided that these are appropriate to the grade of the post.